10/591741 VAP9 Rec'd PCT/PTO 01 SEP 2006

WO 2005/084691

PCT/CA2005/000345

#### 93764-1 SEQ 03-03-05.v1 SEQUENCE LISTING

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His Pro	Thr	Lys	Phe	Lys	Val	Thr	Asn	Val	Asp	Asp	Glu	Gly	Val	Glu
		20					25					30		
Leu Gly	Ser (	Gly '	Val	Met	Glu	Leu	Thr	Gln	Ser	Glu		Val	Leu	His
	35					40					45			
Leu His	Arg A	Arg (	Glu	Ala	Val	Arg	Trp	Pro	Tyr	Leu	Суз	Leu	Arg	Arg
50					55				_	60	_			<b>J</b>
Tyr Gly	Tyr A	Asp 8	Ser	Asn	Leu	Phe	Ser	Phe	Glu	Ser	Glv	Ara	Ara	Cvs
65				70					75		<b>3</b>	5	5	80
								-						
Gln Thr	Glv G	Sln (	Glv	Ile	Phe.	Ala	Phe	T.ve	Cve	Sa~	7-~	71 -	C1	C1
		{	85 <sup>°</sup>		10	TAL CI	EHE	90	Cys	set	wrd	wra	95	GTA
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Tle Phe	Aen T	.ou T	1 011	C1 =	7	<b>T</b>								
Ile Phe	ASII I	.00 1	ueu	GTII	Asp	ren	Met	Gln	Cys	Asn	Ser		Asn	Val
	•						105					110		
Met Glu	Glu P	to A	<b>Val</b>	Ile	Ile	Thr	Arg	Asn	Ser	His	Pro	Ala	Glu	Leu
	115					120					125			
Asp Leu	Pro A	rg A	lla :	Pro	Gln	Pro	Pro	Asn	Ala	Leu	Glv	Tvr	Thr	Val
130					135				<b>_</b>	140	- <del>-</del> _	-1-		

						9	3764	-1 SI	EQ 0	3-03	-05. <sup>-</sup>	<b>σ1</b>			
 Sor	Ser	Phe.	Ser 1	Asn (	Glv (								Phe !	Ser .	Ala
 145	964-	- Burgo y i panimana an i iliang		Annabas da did Arti il a recire	150					155			and the second s		160
Pro	Arg	Arg	Leu :	Ser :	Thr	Ser	Ser	Leu .	Arg 170	His	Pro	Ser 1	Leu (	Gly 175	Glu
Glu	Ser	Thr	His :	Ala l	Leu	Ile	Ala	Pro 185	Asp	Glu	Gln	Ser	His 190	Thr	Tyr
Val	Asn	Thr 195	Pro	Ala	Ser	Glu	Asp 200	Asp	His	Arg	Arg	Gly 205	Arg	His	Cys
Leu	Gln 210	Pro	Leu	Pro	Glu	Gly 215	Gln	Ala	Pro	Phe	Leu 220	Pro	Gln	Ala	Arg
 Gly 225	Pro	Asp	Gln	Arg	Asp 230	Pro	Gln	Val	Phe	Leu 235	Gln	Pro	Gly	Gln	Val 240
Lys	Phe	Val	Leu	Gly 245	Pro	Thr	Pro	Ala	Arg 250	Arg	His	Met	Val	Lys 255	Cys
. Glu	Gly	Leu	Cys 260	Pro	Ser	Leu	His	Asp 265	Pro	Pro	His	His	Asn 270	Asn	Asn
Asn	Glu	Ala 275	Pro	Ser	Glu	Cys	Pro 280	Ala	Gln	Pro	Lys	Cys 285	Thr	Tyr	Glu
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Glu 305		Pro	Gly	Trp	Asn 310	Gly	Leu	Ala	His	Arg 315	Arg	Ala	Ala	Leu	Leu 320
His	туг	: Glu	Asn	Leu 325	Pro	Pro	Leu	Pro	9ro 330	Val	Trp	Glu	Ser	335	Ala
Glr	ı Glr	n Lev	Gly 340		Glu	Ala	Gly	Asp 345	Asp	Gly	/ Asp	Ser	Arg 350	) Asp	Gly
Lev	ı Thi	255		Ser	Asn	Gl	7 Phe 360	e Pro	as (	Gl	y Glu	365	Asp	Glı	1 Thr
Pro	o Lei 37		ı Lys	Pro	Thr	Sei 37!	r Thi	c Arg	g Ala	a Ala	380	Arg	y Sei	r His	s Gly
Se:		e Pro	o Val	Pro	) Let 390	ı Th: )	r Ar	g Arq	g Ar	g Gl; 39	y Sei 5	r Pro	Ar	g Vai	1 Phe 400

93764-1 SEQ 03-03-05.v1
Asn Phe Asp Phe Arg Arg Pro Gly Pro Glu Pro Pro Arg Gln Leu Asn
405
415

Tyr Ile Gln Val Glu Leu Lys Gly Trp Gly Gly Asp Arg Pro Lys Gly 420 425 430

Pro Gln Asn Pro Ser Ser Pro Gln Ala Pro Met Pro Thr Thr His Pro 435 440 445

Ala Arg Ser Ser Asp Ser Tyr Ala Val Ile Asp Leu Lys Lys Thr Val 450 455 460

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Arg Lys Thr Arg His Asn Ser Thr Asp Leu Pro Leu 485

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35 40 45

Leu His Gln Arg Glu Ala Val Arg Trp Pro Tyr Leu Cys Leu Arg Arg 50 55 60

Tyr Gly Tyr Asp Ser Asn Leu Phe Ser Phe Glu Ser Gly Arg Arg Cys 65 70 75 80

Gln Thr Gly Gln Gly Ile Phe Ala Phe Lys Cys Ser Arg Ala Glu Asp 85 90 95

Ile Phe Asn Leu Leu Gln Asp Leu Met Gln Cys Asn Ser Ile Asn Val 100 105 110

											03-03					
10-00-00-00-00-00-00-00-00-00-00-00-00-0	Thr	Glu	Glu	Pro	Val	Ile	Ile	Thr	Arg	Ser	Ser	His	Pro	Pro	Glu	Leu
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	Asp	Leu 130	Pro	Arg	Gly	Pro	Pro 135	Gln	Pro	Ala	Gly	Tyr 140	Thr	Val	Ser	Gly
	Phe 145	Ser	Asn	Gly	Phe	Pro 150	Gly	Cys	Pro	Gly	Glu 155	Gly	Pro	Arg	Phe	Ser 160
	Ala	Pro	Arg	Arg	Pro 165	Ser	Thr	Ser	Ser	Leu 170	Arg	His	Pro	Ser	Pro 175	Gly
	Glu	Glu	Ser	Thr 180	His	Thr	Leu	Ile	Ala 185	Ser	Glu	Glu	Gln	Ser 190	His	Thr
- · · · · ·	Tyr	Val				Thr									His	Суз
	Leu	Gln 210	Pro	Leu	Pro	Glu	Gly 215	Arg	Val	Pro	Leu	Pro 220	Ala	Gln	Thr	Gln
	Gly 225	Ser	Asp	Gln	Arg	Asp 230	Pro	Gln	Val	Leu	Leu 235	Gln	Pro	Gly	Gln	Val 240
	Lys	Phe	Val	Leu	Gly 245	Pro	Thr	Pro	Ala	Arg 250	Arg	Gln	Val	Met	Lys 255	СЛа
	Gln	Ser	Leu	Cys 260	Pro	Gly	Met	Gln	Asp 265	Pro	Pro	His	His	Asn 270	Asn	Asn
	Glu	Gly	Pro 275	Ser	Glu	Cys	Pro	Ala 280	Gln	Pro	Lys	Cys	Thr 285	Tyr	Glu	Asn
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	Glu 305	Arg	Gly	Trp	Ser	Gly 310	Leu	Ala	His	Arg	Arg 315	Ala	Ala	Leu	Leu	His 320
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	Gln	Pro	Gly	Gly 340	Glu	Ala	Gly	Asp	Asp 345	Gly	Asp	Ser	Arg	Asp 350	Gly	Leu
	Thr	Pro	Ser 355	Ser	Asn	Gly	Phe	Pro 360	Asp	Gly	Glu	Glu	Asp 365	Glu	Thr	Pro

93764-1 SEQ 03-03-05.v1
Leu Gln Lys Pro Thr Ser Thr Arg Ala Ser Ala Arg Ser His Ser Gly
370 375 380

Phe Pro Val Pro Leu Thr Arg Arg Gly Ser Pro Arg Val Phe Asn 385 390 395 400

Phe Asp Phe Arg Gln Gly Pro Glu Pro Pro Arg Gln Leu Asn Tyr 405

Ile Gln Val Glu Leu Lys Gly Trp Gly Thr Ala Arg Pro Lys Gly Pro 420 425 430

Gln Asn Pro Ser Val Ser Gly Ala Pro Gly Pro Thr Pro His Pro Val 435 440 445

Arg Ser Ser Asp Ser Tyr Ala Val Ile Asp Leu Lys Lys Thr Ala Ala 450 460

Met Ser Asp Leu Gln Arg Ala Leu Pro Arg Asp Asp Gly Ala Val Arg 465 470 475 480

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His Arg Asn Lys Phe Lys Val Ile Asn Val Asp Asp Asp Gly Asn Glu 20 25 30

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Thr Arg Lys Arg Asp Ser Val Lys Trp His Tyr Leu Cys Leu Arg Arg 50 55 60

Tyr Gly Tyr Asp Ser Asn Leu Phe Ser Phe Glu Ser Gly Arg Arg Cys 70 75 80

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Gln	Thr	Gly	Gln	Glv	Ile				_	)3-03 Cvs			Ala	Glu	Glu				
		J		85					90			<u> y</u>	ma especial fulfi- in present describe the seven for the connection are to differ the to	95		previous descriptions and the control of the contro		ru, i ar en de un e gag ( aus adas egap dipo el ) e amad un la une gaj un de est an en de el deser i la de la de	 
Leu	Phe	Asn	Met	Leu	Gln	Glu	Ile		Gln	Asn	Asn	Ser	_	Asn	Val				•
			100					105					110						
																			,
Val	Glu	Glu	Pro	Val	Val	Glu		Asn	Asn	His	Gln		Glu	Leu	Glu				
		115					120					125							
				_			_				~ >	40.9			<b>6</b> 3				
Val	Pro 130	Arg	Thr	Pro	Arg	Thr 135	bio	Thr	Thr	Pro	G1y 140	Phe	Ala	Ala	GIN				
	150					100													
•	<b>T</b>	n.	7	C1	M	Dwo	7	M t zze	Pro	80=	Pho	Glar	y ex	7.7 a	Sar				
145	теп	Pro	ASI	GTA	150	PIO	Arg	тХт	FTO	155	rne	QT.Ā	Asp	TLO	160				
			gayy St. Sag go You day 1.1		.,				. 1 4	**** * * * * * * * * * * * * * * * * * *		AB10 64 M-W 189		*****	ave processed to the server				 ,. <u>.</u> -
Sar	uie	Pro	Ser	Ser	Ara	нiе	Pro	Ser	Val	Glv	Ser	Ala	Ara	Leu	Pro				
Set	UTS	FIO	her	165	ALG	1110	110		170	CLJ	J-0.4.			175					
Ser	Val	Gly	Glu	Glu	Ser	Thr	His	Pro	Leu	Leu	Val	Ala	Glu	Glu	Gln				
502		<b>-</b>	180					185					190						
Val	His	Thr	Tyr	Val	Asn	Thr	Thr	Gly	Val	Gln	Glu	Glu	Arg	Lys	Asn				
		195	_				200					205							
Arg		Ser	Val	His	Val		Leu	Glu	Ala	Arg		Ser	Asn	Ala	Glu				
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		_	_	43	_	<b>01</b>	<b>01</b>	*** 1	T	nh -	77m 7	Υ	C3	Dma	mh				
Gln	Ile	Leu	Leu	G1u 245	Pro	GIU	GTĀ	VaT.	ьуs 250	Pne	vaı	rea	стЛ	255	1111				
				210															
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71 75 75	7 an	Gln	Val	Ser	G1v	Ser	Glv	Ala	Asn	Asn	Thr	Glu	Tro	Asp	Thr				
ALG	Asp	275	A 97	DET	Gry		280		. 2021			285							
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QT Y	290	, no p				295	- <del>-</del> 9				300			-					•
Val	Tvr	Glu	Asn	Ile	Asn	Gly	Leu	Ser	Ile	Pro	Ser	Ala	Ser	Gly	Val				
305	- J				310	-				315				-	320				٠
Arg	Arg	Gly	Arg	Leu	Thr	Ser	Thr	Ser	Thr	Ser	Asp	Thr	Gln	Asn	Ile				
		_		325					330					335					

Pro Ser Leu Pro Pro Val Trp Glu Ala Arg Lys Leu Ser Arg Asp Glu 355

Asp Asp Asn Leu Gly Pro Lys Thr Pro Ser Leu Asn Gly Tyr His Asn 370 375 380

Asn Leu Asp Pro Met His Asn Tyr Val Asn Thr Glu Asn Val Thr Val 385 390 395 400

Pro Ala Ser Ala His Lys Ile Glu Tyr Ser Arg Arg Arg Asp Cys Thr 405 410 415

Pro Thr Val Phe Asn Phe Asp Ile Arg Arg Pro Ser Leu Glu His Arg 420 425 430

Gln Leu Asn Tyr Ile Gln Val Asp Leu Glu Gly Gly Ser Asp Ser Asp 435 440 445

Asn Pro Gln Thr Pro Lys Thr Pro Thr Thr Pro Leu Pro Gln Thr Pro 450 460

Thr Arg Arg Thr Glu Leu Tyr Ala Val Ile Asp Ile Glu Arg Thr Ala 465: 470 475 480

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Arg Lys Thr Arg His Asn Ser Thr Asp Leu Pro Met 500

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Met Gly Ser Cys Cys Ser Cys Pro Asp Lys Asp Thr Val Pro Asp Asn 1 5 10 15

His Arg Asn Lys Phe Lys Val Ile Asn Val Asp Asp Asp Gly Asn Glu 20 25 30

93764-1 SEQ 03-03-05.v1 Leu Gly Ser Gly Val Met Glu Leu Thr Asp Thr Glu Leu Ile Leu Tyr Thr Arg Lys Arg Asp Ser Val Lys Trp His Tyr Leu Cys Leu Arg Arg Tyr Gly Tyr Asp Ser Asn Leu Phe Ser Phe Glu Ser Gly Arg Arg Cys Gln Thr Gly Gln Gly Ile Phe Ala Phe Lys Cys Ala Arg Ala Glu Glu Leu Phe Asn Met Leu Gln Glu Ile Met Gln Asn Asn Ser Ile Asn Val Val Glu Glu Pro Val Val Glu Arg Ser Ser His Gln Thr Glu Leu Glu Val Pro Arg Thr Pro Arg Thr Pro Thr Thr Pro Gly Leu Gly Ala Gln Asn Leu Pro Asn Gly Tyr Pro Arg Tyr Pro Ser Phe Gly Asp Ala Ser Ser His Pro Ser Ser Arg His Pro Ser Val Gly Ser Ala Arg Leu Pro Ser Val Gly Glu Glu Ser Thr His Pro Leu Leu Val Ala Glu Glu Gln Val His Thr Tyr Val Asn Thr Thr Gly Val Gln Glu Glu Arg Lys Asn Arg Ala Ser Val His Val Pro Pro Glu Ala Arg Val Ser Asn Ala Glu Ser Asn Thr Pro Lys Glu Glu Pro Ser Asn Pro Glu Asp Arg Asp Pro Gln Val Leu Leu Lys Pro Glu Gly Val Arg Phe Val Leu Gly Pro Thr 

Pro Val Gln Lys Gln Leu Met Glu Lys Glu Lys Leu Glu Gln Leu Gly 260 265 270

Lys Asp Pro Val Ser Gly Ser Gly Ala Gly Asn Thr Glu Trp Asp Thr 275 280 285

93764-1 SEQ 03-03-05.vl
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290 295

Val Tyr Glu Asn Ile Asn Gly Leu Ser Ile Pro Ser Ala Ser Gly Val 305 310 315 320

Arg Arg Gly Arg Leu Thr Ser Thr Ser Thr Ser Asp Thr Gln Asn Ile 325

Asn Asn Ser Ala Gln Arg Arg Pro Ala Leu Leu Asn Tyr Glu Asn Leu 340 350

Pro Ser Leu Pro Pro Val Trp Glu Ala Arg Lys Leu Ser Arg Asp Glu 355 360 365

Asp Asp Asn Leu Gly Pro Lys Thr Pro Ser Leu Asn Gly Tyr His Asn 370 375

Asn Leu Asp Pro Met His Asn Tyr Val Asn Thr Glu Asn Val Thr Val 385 390 395 400

Pro Ala Ser Ala His Lys Ile Asp Tyr Ser Lys Arg Arg Asp Cys Thr 405 410 415

Pro Thr Val Phe Asn Phe Asp Ile Arg Arg Pro Ser Leu Glu His Arg 420 425 430

Gln Leu Asn Tyr Ile Gln Val Asp Leu Glu Gly Gly Ser Asp Ser Asp 445

Asn Pro Gln Thr Pro Lys Thr Pro Thr Thr Pro Leu Pro Gln Thr Pro 450 455 460

Thr Arg Arg Thr Glu Leu Tyr Ala Val Ile Asp Ile Glu Arg Thr Ala 465 470 475 480

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